

**Notice of Allowability**

Application No.

10/034,227

Applicant(s)

LITT, TIMOTHE

Examiner

Art Unit

JAMES C. KERVEROS

2138

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment after Final filed 5/5/2006.
2. ☒ The allowed claim(s) is/are 74, 76 and 80-85. Renumbered as Claims 1-8.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

JAMES C. KERVEROS  
Examiner Art Unit: 2138

### **NOTICE OF ALLOWANCE**

This is a Notice of Allowance in response to Amendment after Final filed 5/5/2006. Claims 65-76 and 78-85 were previously examined. Claims 1-73, 75, 77-79 have been cancelled. Claims 74, 76, 80-85 remain in the application.

The drawings received as replacement sheet for Figure 1 on 12/27/2005 are acceptable.

Objection to the amendment under 35 U.S.C. 132(a) filed 12/27/2005 for introducing new matter into the disclosure, is hereby withdrawn, since the applicant has cancelled the new matter from the specification.

### **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Daniel J. Krueger on May 24, 2006.

The application has been amended as follows:

The Abstract has been amended as follows:

--A system having multiple on-chip logic analyzers (OCLA), each on-chip logic analyzer includes one or more word recognizers. The word recognizer includes a great

deal of flexibility for the user, while being capable of implementation with very few gates. The word recognizer includes a Boolean logic portion in which a plurality of conditions can be dynamically segregated into a mutually exclusive set of groups. The conditions in each group are combined by means of a single Boolean function that is programmable. The resultant term (or product) from each group is combined with those of the other groups by a fixed selection of Boolean functions. The output of the Boolean logic section is provided to a counter/timer.--

### ***Allowable Subject Matter***

Claims 74, 76 and 80-85 are allowed. Renumbered as Claims 1-8.

### **REASONS FOR ALLOWANCE**

Claims 74, 76, which were previously objected to for having allowable subject matter as being dependent upon a rejected base claim, they have been rewritten in the independent form including all of the limitations of the base claim and any intervening claims, and therefore are now allowable.

Claims 80-85, which were previously allowed for having allowable subject matter, as recited in the independent claim 80, are now allowable.

The following is an examiner's statement of reasons for allowance: The prior arts of record taken alone or in combination fail to teach, anticipate, suggest or render obvious the claimed invention for an integrated circuit fabricated on a chip, as recited in the independent claim 80, including among other limitations, "word recognizers each comprise a Boolean logic section and a counter/timer section, wherein the Boolean logic

Art Unit: 2138

section includes multiple hardware match logical units that compare a match value with internal state data and produce an output signal that is true if the comparison indicates a match condition, and wherein each the output signal of the hardware match logical units connects to both an AND term and an OR term, and a user selects whether the AND term or the OR term is enabled for each of the hardware match logical units”.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JAMES C. KERVEROS whose telephone number is (571) 272-3824. The examiner can normally be reached on 9:00 AM TO 5:00 PM.

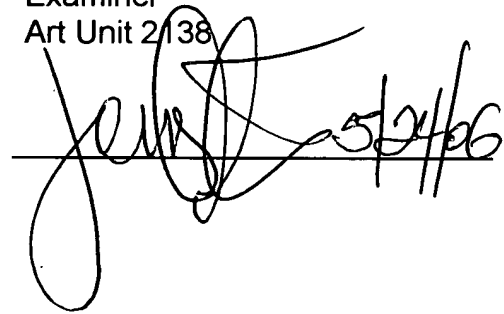
If attempts to reach the examiner by telephone are unsuccessful, the examiner’s supervisor, Albert Decady can be reached on (571) 272-3819. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

U.S. Patent and Trademark Office  
401 Dulany Street, RND Bldg  
Alexandria, VA 22314  
Tel: (571) 272-3824, Fax: (571) 273-3824  
[james.kerveros@uspto.gov](mailto:james.kerveros@uspto.gov)

Date: 24 May 2006  
Office Action: Allowance

JAMES C KERVEROS  
Examiner  
Art Unit 2138

A handwritten signature in black ink, appearing to read 'James C. Kerveros', is written over a horizontal line. To the right of the signature, the date '5/24/06' is handwritten.